oxidizing atmosphere. The austenitic stainless steel sheet can be formed to an objective shape without the occurrence of cracking due to its decrease in susceptibility to cracking and its good formability.

#### **REMARKS**

The specification has been amended to place the application in conformance with standard United States patent practice. Claims 1 and 2 have been cancelled and new claims 3-10 have been added to conform the claims to standard United States patent practice and to further define the invention.

Attached hereto is a marked-up version of the changes made to the specification by the current amendment. The attachment is captioned "<u>VERSION WITH</u> MARKINGS TO SHOW CHANGES MADE".

By

Examination and allowance of pending claims 3-10 are respectfully requested.

Respectfully submitted,

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### **VERSION WITH MARKINGS TO SHOW CHANGES MADE**

### In the specification:

# Title beginning at page 1, line 1 has been amended as follows:

[AN] AUSTENITIC STAINLESS STEEL LESS [CRACK-SENSITIVE]

SUSCEPTIBLE TO CRACKING DURING FORMING AND A

MANUFACTURING METHOD THEREOF

### Paragraph beginning at page 1, line 5 has been amended as follows:

The present invention relates to an austenitic stainless steel [good of] that has good formability and [less crack-sensitive] is less susceptible to cracking during forming, and also relates to a method of manufacturing thereof.

# Paragraph beginning at page 2, line 19 has been amended as follows:

The present invention proposes a new austenitic stainless steel less [crack-sensitive] susceptible to cracking during forming, which has the composition consisting of C up to 0.04 mass %, 0.1-1 mass % Si, Mn up to 5.0 mass %, S up to 0.0060 mass %, Al up to 0.003 mass %, 5-9 mass % Ni, 15-20 mass % Cr, N up to 0.035 mass %, 1.0-5.0 mass % Cu and the balance being Fe except inevitable impurities. Nonmetallic MnO-SiO<sub>2</sub>-Al<sub>2</sub>O<sub>3</sub> inclusions, which contains not less than 15 mass % of SiO<sub>2</sub> and not more than 40 mass % of Al<sub>2</sub>O<sub>3</sub>, is dispersed as fine particles in a steel matrix.

# Paragraph beginning at page 3, line 10 has been amended as follows:

The inventors have searched and examined effects of deoxidizing and refining conditions on formability of an austenitic stainless steel sheet containing [C up to 0.04 mass %,] approximately 0-0.4 mass % C, approximately 0.1-1.0 mass % Si, [Mn up to 5.0 mass %,] approximately 0-5.0 mass % Mn, approximately 5-9 mass % Ni, approximately 15-20 mass % Cr, [N up to 0.035 mass %, S up to 0.0060]

approximately 0-0.035 mass % N, approximately 0-0.0060 mass % S and approximately 1.0-5.0 mass % Cu. After the austenitic stainless steel was deoxidized and refined in various conditions, it was hot-rolled and cold-rolled to a thickness of approximately 0.3 mm.

### Paragraph beginning at page 6, line 21 has been amended as follows:

When nonmetallic inclusion is converted to MnO-SiO<sub>2</sub>-Al<sub>2</sub>O<sub>3</sub> containing not less than 15 mass % of SiO<sub>2</sub> and not more than 40 mass % of Al<sub>2</sub>O<sub>3</sub>, it is divided to fine harmless size by hot-rolling and cold-rolling so as to [lower crack-sensitivity] decrease its susceptibility to cracking during forming. If the nonmetallic inclusion contains less than 15 mass % of SiO<sub>2</sub> or more than 40 mass % of Al<sub>2</sub>O<sub>3</sub>, it is changed to galaxite, which is hardly divided by hot- and cold-rolling. In this case, cracking easily occurs during forming a steel sheet to an objective shape. Therefore, the nonmetallic inclusion shall be converted to MnO-SiO<sub>2</sub>-Al<sub>2</sub>O<sub>3</sub> containing not less than 15 mass % of SiO<sub>2</sub> and not more than 40 mass % of Al<sub>2</sub>O<sub>3</sub>.

# Paragraph beginning at page 13, line 1 has been amended as follows:

According to the present invention as above-mentioned, austenitic stainless steel, which contains Si and Al at controlled ratios, is refined and deoxidized with a Si alloy whose Al content is restricted under a certain level, so as to make up a structure wherein nonmetallic inclusion is minutely dispersed as MnO-SiO<sub>2</sub>-Al<sub>2</sub>O<sub>3</sub> inclusion in a steel sheet. Since the austenitic stainless steel sheet can be formed to an objective shape without occurrence of cracking due to [its less crack-sensitivity] a decrease in its susceptibility to cracking, it is useful as steel members or parts in various industrial fields.

### In the abstract:

The section heading beginning at page 15, line 1 has been amended as follows:

# ABSTRACT OF THE DISCLOSURE

# Paragraph beginning at page 15, line 3 has been amended as follows:

A new austenitic stainless steel [contains] containing approximately 0.1-1.0 mass % of Si and not more than approximately 0.003 mass % of Al. Nonmetallic [inclusion] inclusions dispersed in a steel matrix [is] are converted to MnO-SiO<sub>2</sub>-Al<sub>2</sub>O<sub>3</sub> containing not less than approximately 15 mass % of SiO<sub>2</sub> and not more than approximately 40 mass % of Al<sub>2</sub>O<sub>3</sub>. During steel making, molten steel is covered with basic slag and [strongly] heavily deoxidized with a Si alloy whose Al content is controlled to not more than approximately 1.0 mass % in a vacuum or non-oxidizing atmosphere. The austenitic stainless steel sheet can be formed to an objective shape without the occurrence of cracking due to its [less crack-sensitivity] decrease in susceptibility to cracking and its good formability.